

CLAIMS

1. A disk cartridge, comprising:

a cartridge body including a lower shell having formed therein a first opening for write and/or read and an upper shell butt-joined to the lower shell;

a rotation wheel housed rotatably in the cartridge body and which houses a disk and has formed therein a second opening corresponding to the first opening and through which the housed disk is exposed to outside; and

a shutter mechanism provided between the lower shell and rotation wheel and which operates with the rotation of the rotation wheel to uncover the first and second openings when the latter are coincide with each other; and

a locking mechanism including a shaft portion installed pivotably to any one of the shells, a locking portion engaged in an engagement concavity in the rotation wheel to lock the rotation wheel in a position where the shutter mechanism covers the first opening, and an unlocking portion which cancels the engagement of the locking portion in the engagement concavity,

the cartridge body having formed therein an insertion guide recess open at the side of the cartridge body, at which the latter is first inserted into a disk recorder and/or player; and

the locking portion having an unlocking piece which is opposite to the insertion guide recess.

2. The disk cartridge according to claim 1, wherein the engagement concavity in the rotation wheel is formed inside the peripheral edge of the rotation wheel.
3. The disk cartridge according to claim 1, wherein:
the lower shell has formed therein a pair of the insertion guide recesses separately from each other, one of the insertion guide recesses being extended by a location hole while the other insertion guide recess is extended by an alignment hole; and
the unlocking piece of the locking member is projected to outside from the alignment hole-side insertion guide recess.
4. The disk cartridge according to claim 1, wherein a taper portion which supports the peripheral edge of the disk is formed along one side of the rotation wheel and an engagement concavity in which the locking portion is to be engaged is formed in the other side formed thick and on which a rib is formed.
5. The disk cartridge according to claim 1, wherein the locking member is supported pivotably on a shaft formed on the lower shell, the shaft being formed higher than the locking member.
6. The disk cartridge according to claim 1, wherein the insertion guide recess has a limiting portion an unlocking pin included in the disk recorder and/or player abuts and has formed therein a relief hole in which the unlocking piece pressed by the unlocking pin will retreat.
7. The disk cartridge according to claim 1, wherein the insertion guide recess is

formed wider at the open end thereof.

8. The disk cartridge according to claim 1, wherein on the assumption that the unlocking pin of the disk recorder and/or player has a width W_1 and the insertion guide recess has a width W_2 , $W_1 \geq W_2/2$.

9. The disk cartridge according to claim 1, wherein the locking member is formed from a resin superior in sliding performance.